Discovery Questions

**Purpose:** 1- To allow students to find answers to their “Ah-ha” questions they have in school.

2- To extend and enrich 3rd grade standards

3- To create life-long learners

**Benefits:** “Discovery Reports” will allow students to gain quality information important to them as an extension of their learning. This allows students to dig deeper into their overall understanding of concepts presented to them not only in school, but in life.

**Expectations:** Each month students will have the opportunity to present information to the class about their own “discovery question”. This information should be an extension of a topic presented to them at school. Students will be given class and computer lab time, however, they may need to complete research at home.

**What else:** Students are expected to complete at least 4 discovery question reports within the academic year. That is approximately 1 discovery project each nine weeks.

**Discovery Question Planner**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Beginning Date\_\_\_\_\_\_\_\_\_\_\_\_\_

**General Topic to Explore:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*\*\*On a separate sheet of paper, list the things you already know about this topic. Staple that list to this form.*

**Subtopics I May Want to Learn More About:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­­\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­­\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­­\_\_**

**Professionals I Might Interview:**

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**Experiments or Surveys I Might Conduct:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Specific Subtopic I will Focus My Project On:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**How I Will Share What I’ve Learned with the Class:**

|  |  |  |
| --- | --- | --- |
| 10 slide PowerPoint | Blog / Wiki space Discussion | Other: Discuss with Mrs. Stoyle |
| Create a Game to present the information to the class | Travel Brochure using Microsoft Publisher | Create a Mural/Piece of Art representing information on the topic using Glogster |
| Mobile, Diorama, display, or other visual representation of learning | Create a Chart or Graph with Information researched using a software program. | Write a play/song/poem to present the information. Record you performing this piece and publish on the class wiki. |

**Teacher’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Student Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Check List and Brainstorming Sheet for Discovery Questions:

**A. Check List (Rubric**) of Information that MUST be presented about your topic (2 pts. will be awarded for each completed piece):

\_\_\_\_\_1- a. Why did you choose this topic? b. What was your original “discovery question” about this topic?

\_\_\_\_\_2- What are (***at least 3***) important things you learned about your topic?

\_\_\_\_\_3- a. How is this topic connected to what you are learning in third grade? b. How will your classmates benefit (advantage/ do good) from learning about this information?

\_\_\_\_\_4- Completed project (see choices available)

\_\_\_\_\_5- Presentation to the class

**B. Brainstorming Web**:

Be sure to answer the above questions. Feel free to add information to the web as needed.

**Modeled Discovery Question**

**General Topic to Explore: Boom Towns**

*\*\*On a separate sheet of paper, list the things you already know about this topic. Staple that list to this form.*

**Subtopics I May Want to Learn More About:**

Westward ExpansionWhy my parents moved to/ live in Aurora

California Gold Rush What was the first year people began to go out west and why?

**Professionals or People I Might Interview:**

Parents, Grandparents, town historians, My aunt who lives in California

**Experiments or Surveys I Might Conduct:**

Ask students in class if they moved to Aurora or if they have lived here all their life.

Ask students why they think people would want to migrate west to California during the middle 1800s.

**Specific Subtopic I will Focus My Project On:**

Did people really “strike it rich” in California? If it was the mid 1800s and no telephone, how did people find out their was gold? California?

**How I Will Share What I’ve Learned with the Class:**

|  |  |  |
| --- | --- | --- |
| 10 slide PowerPoint | Blog Discussion | Wikispace Discussion |
| Game Board | Travel Brochure | Create a Mural representing information on the topic |
| Mobile, Diorama, display, or other visual representation of learning | Create a Chart or Graph with Information researched | Write a play to present the information |

**Teacher’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Student Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**